

Section X

TRANSPORTATION OF RIGGED LOADS

2-28. Responsibilities

The rigging unit is responsible for transporting the rigged load from the rigging site to the aircraft. To prevent damage, loads must be lashed to the transporting vehicle and protected during transport. The transporting force must ensure that the off-loading equipment is compatible with the aircraft to be used.

2-29. Typical Loading and Transporting Equipment

Some of the equipment that may be used to load and transport rigged loads is listed below.

a. Materials-Handling Equipment. If a loading ramp is not available to use in loading the rigged load onto the transporting vehicle, the load is hoisted aboard the vehicle. The materials-handling equipment hoisted aboard may include the 5-ton wrecker, the 10,000- or 15,000-pound-capacity warehouse crane, or the 15,000-pound-capacity forklift truck.

b. Transporting Vehicle. Any standard military truck or semitrailer with sufficient cargo space and payload capacity can be modified to transport a rigged load from the loading area to the cargo aircraft. However, not all military trucks are compatible with the cargo-loading system of

all types of cargo aircraft now in use. Rigged platform loads require straight-in loading over a horizontally positioned ramp from a truck, a forklift, a flatbed, or a cargo loader. Consequently, this may require transfer of the rigged load at the aircraft site before it is off-loaded into the cargo aircraft. The following types of materials-handling equipment can be used to transport and/or off-load platform loads:

(1) The 6- or 10-ton cargo semitrailer can transport loads rigged on airdrop platforms.

(2) The model 8110 cargo loader can transport and load airdrop loads weighing up to 10,000 pounds.

(3) The 25,000-pound-capacity cargo loader can move, at 15 miles per hour, the maximum weight of 25,000 pounds up a 3-percent incline. It can be used for loading all aircraft.

(4) The 40,000-pound-capacity cargo loader can move, at 15 miles per hour, 40,000 pounds up a 3-percent incline.

(5) The model M172 (lowboy) semitrailer can load C-130 and C-141 aircraft. Any similar vehicle can be used if its loading floor meets the cargo floor heights of the aircraft. For C-130 aircraft, this is 39 to 42 inches. For C-141 aircraft, this is 48 to 52 inches.